

**Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application.

Claim 1 (Original): A method for an industrial or medical process which employs radiation imaging to monitor progress of the process, in which a combination of parameters derived from the image is used to calculate output signals to enhance control of the process, and in which control adjustment is delayed to allow checking to ensure that a monitored response is real.

Claims 2-15 (Cancelled).